

AVON, OH 44011
TELEPHONE: (440) 937-7000

MATERIAL SAFETY DATA SHEET

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Loctite(R) Extra Time Epoxy
01-81505

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) Extra Time Epoxy
Item No.: 01-81505
Part No.: TM-61
Product Type: Epoxy

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
RESIN		
Epoxy resin	25068-38-6	85-90
Nonylphenol	25154-52-3	10-15
HARDENER		
Polyamide resin	68410-23-1	60-65
DIETHYLENETRIAMINE	111-40-0	15-20
PHENOL, 4,4'-ISOPROPYLIDENEDI-*	80-05-7	10-15
Epoxy resin	25068-38-6	5-10

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
RESIN			
HARDENER			
DIETHYLENETRIAMINE	1 ppm skin 4.2mg/m3 skin	1 ppm TWA 4mg/m3	None
PHENOL, 4,4'-ISOPROPYLIDENEDI-	None	None	10 mg/m3
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	

RESIN

HARDENER

3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant. May irritate upper respiratory tract. May cause skin burns and corneal injury resulting in permanent impairment of vision including blindness. May cause

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3. HAZARDS IDENTIFICATION

(continued)

Primary Routes of Entry: sensitization of skin and respiratory tract.
Ingestion, skin, inhalation
Signs and Symptoms
of Exposure: Eye or skin irritation or injury. Allergic
responses such as sensitization or dermatitis.
Existing Conditions
Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen NTP IARC OSHA
RESIN		
Epoxy resin	ALG IRR	NO NO NO
Nonylphenol	ALG COR IRR KID	NO NO NO
HARDENER		
Polyamide resin	NR	NO NO NO
DIETHYLENETRIAMINE	ALG EYE IRR	NO NO NO
PHENOL, 4,4'-ISOPROPYLIDENEDI-	ALG BLO IRR KID SPL	NO NO NO
Epoxy resin	ALG IRR	NO NO NO

Abbreviations

ALG Allergen	BLO Blood
COR Corrosive	EYE Eyes
IRR Irritant	KID Kidney
NR No Records	SPL Spleen

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm.
Obtain medical attention.
Inhalation: RESIN: Not Applicable
HARDENER: Remove to fresh air. If symptoms
persist, obtain medical attention.
Skin Contact: Wash immediately with soap and water. Do not use
solvents for cleaning skin.
Eye Contact: Flush copiously with water and get prompt medical
attention.

5. FIRE FIGHTING MEASURES

Flash Point: More than 200°F Method: Tag Closed Cup
Recommended
Extinguishing Agents: Carbon dioxide, foam, dry chemical

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5. FIRE FIGHTING MEASURES

(continued)

Special Firefighting

Procedures: Not available

Hazardous Products formed

by Fire or Thermal Decomp Before use, amine vapors may be evolved at high temperatures; oxides of carbon; unidentified organic compounds.

Unusual Fire or

Explosion Hazards: None

Explosive Limits:

(% by volume in air) Lower Not available

(% by volume in air) Upper Not available

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case

of spill or leak: Avoid skin contact. Scrape up as much as possible.
Clean residues with solvent or soap and water.

7. HANDLING AND STORAGE

Safe Storage:

Store below 100°F

(Contact Loctite Customer

Service 1-800-243-4874 for shelf life information)

Handling:

Avoid skin contact. Keep away from eyes.

Do not breath vapors.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.

Skin: Rubber or plastic gloves.

Ventilation: Sufficient to maintain vapor concentration below TLV.

Respiratory Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellowish, viscous liquid.

Odor: Mild

Boiling Point: More than 300°F

pH: Not Applicable

Solubility in Water: Slight

Specific Gravity Resin 1.16, Hardener 0.98

Volatile Organic Compound

(EPA Method 24) 5.5% Resin
18.5% Hardener

Vapor Pressure: Less than 5mm

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9. PHYSICAL AND CHEMICAL PROPERTIES

(continued)

Vapor Density: Not available
Evaporation Rate
(Ether = 1) Not Available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong oxidizers, acids, chlorinated hydrocarbons.
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of
disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste
Number NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity (Not more than four liters);
Corrosive liquids, basic, organic, n.o.s.
(Contains diethylenetriamine)
(More than four liters)

Hazard Class or
Division: ORM-D (Not more than four liters);
Class 8, Packing Group III (More than four liters)

Identification Number: None (Not more than four liters);
UN 3267 (More than four liters)

Marine Pollutant: Nonylphenol

IATA

Proper Shipping Name: Corrosive liquids, basic, organic, n.o.s.
(Contains diethylenetriamine)

Class or Division: Class 8, Packing Group III

UN or ID Number: UN 3267

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15. REGULATORY INFORMATION

CA Proposition 65: No Prop65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 2
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 2
Flammability Hazard: 1
Reactivity Hazards: 1
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared by:

Company: Safety, Health and Regulatory Affairs - North America,
Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067
(24hr.) Phone: (860) 571-5100